

MEKA

MS SERIES INCLINED VIBRATING SCREENS

Economical Equipment with Exceptional
Quality and High Screening Efficiency

MEKA SCREENING SOLUTIONS

Designed as a non-welded frame with adjustable vibration features for different material types and screening sizes, MEKA inclined screens provide screening efficiency that is both high quality and dependable.

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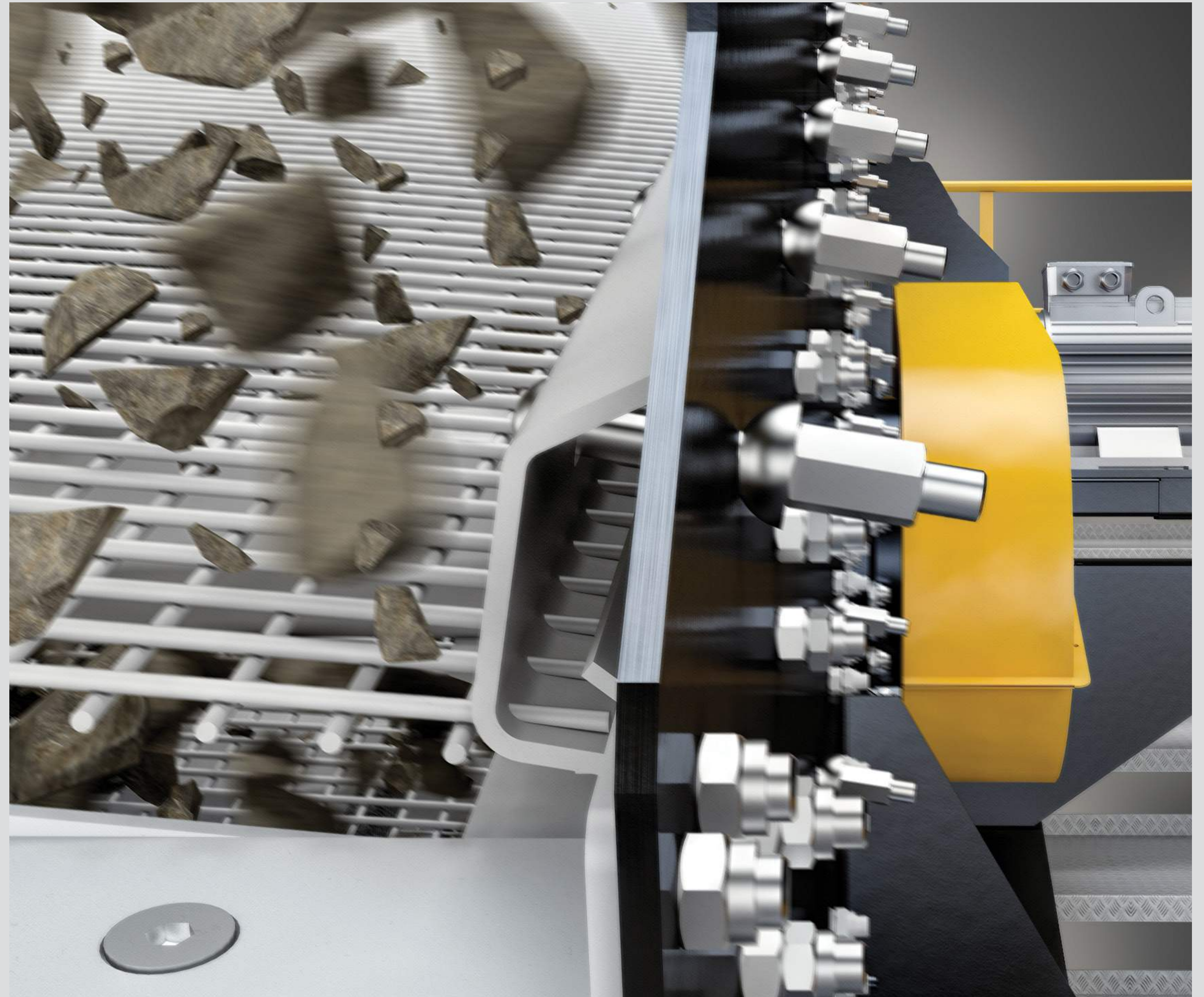
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THE HEART OF CRUSHING AND SCREENING PLANTS

MEKA MS-MGS SERIES INCLINED VIBRATING SCREENS

Although the crushing process is an important part in a plant, the screening quality and precision has the highest influence on the overall efficiency of all equipment. As the heart of every crushing and screening plant, a vibrating screen is used for classifying material by size in every stage of the process from feeding to the product separation. The different sizes of materials mixing with each other and an increase in returning material amount caused by low screening efficiency equals low profitability for every crushing and screening plant.

Developed after long-term analysis and research, MEKA MS and MGS Series inclined vibrating screens are designed in a variety of types with specific vibration features for a wide range of types and sizes of materials, easily offering the most efficient solutions to our customers.





MEKA MS-MGS SERIES INCLINED VIBRATING SCREENS

MEKA MS and MGS Series inclined vibrating screens combine high quality components with reliable design and productive efficiency to give our customers trouble-free, robust solutions for replacing old vibrating screens, adding additional production lines to their sites, or in new crushing and screening plants.





KEY ADVANTAGES
OF MS AND MGS SERIES INCLINED SCREENS

HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with conventional bolted assemblies create extra labor costs, increase safety risks, and reduce overall profitability because of the rupture of bolts caused by loosening nuts. Meka's MS and MGS series vibrating screens with huck-bolted assembly don't require maintenance for nuts and bolts, so they help ensure workplace safety.



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No matter how vibration-intensive the environment, HuckBolts stay put. HuckBolts provide direct metal-to-metal contact when installed, which eliminates the transverse vibration often found in conventional nuts and bolts.

TIME (sec.)	Huck Bolt (BobTail) CLAMP (lbf)	Nut and Bolt CLAMP (lbf)
0	20,000	15,000
50	19,000	2,000
100	18,500	1,000
150	18,000	500
200	17,500	200
250	17,000	100
300	16,500	50

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KEY ADVANTAGES OF MS AND MGS SERIES INCLINED SCREENS

MODULAR-TYPE DRIVE SYSTEM

Meka MS and MGS series screens are equipped with a modular drive system for easy servicing. The two-piece drive-shaft can be detached easily one by one, reducing servicing duration. Additionally, the Cardan shaft connecting the modular shafts is superior to traditional, heavier, single-piece shafts in terms of easy maintenance.



Thanks to the modular drive system, the drive system can be easily disassembled and installed. Thus, MEKA Screens can easily fit into the container by removing the drive systems.

KEY ADVANTAGES OF MS AND MGS SERIES INCLINED SCREENS

SELF-TENSIONED MOTOR BASE

In MS and MGS series vibrating screens, a self-tensioned motor base is a standard feature that protects both the electric motor and drive belts against tension caused by vibrations, meaning lower maintenance duration and lower costs for our customers.



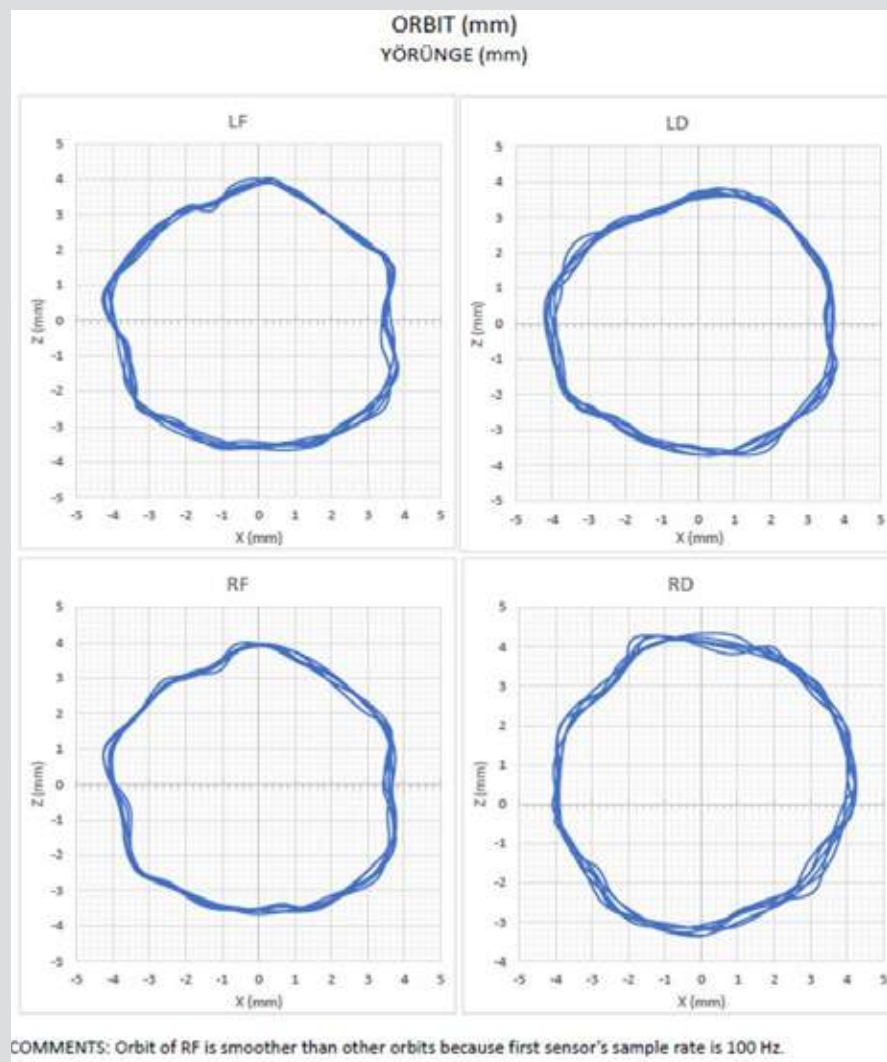
Self-tensioning motor mounts for friction belt drives

- Increases belt and pulley lifetime.
- Jerk and noise-free operation- No belt flapping or heating up at start-up.
- Very easy belt replacement – just release the tension and change belts!

KEY ADVANTAGES OF MS AND MGS SERIES INCLINED SCREENS

VIBRATION ANALYSIS

In the vibration analysis, MEKA inclined vibrating screen achieved the targeted stroke, acceleration, stroke angle and proved its suitability in the test area of the factory. MEKA measures the quality of its screens and feeders by combining the appropriate measurement and evaluation systems with advanced engineering knowledge by using the latest technology.

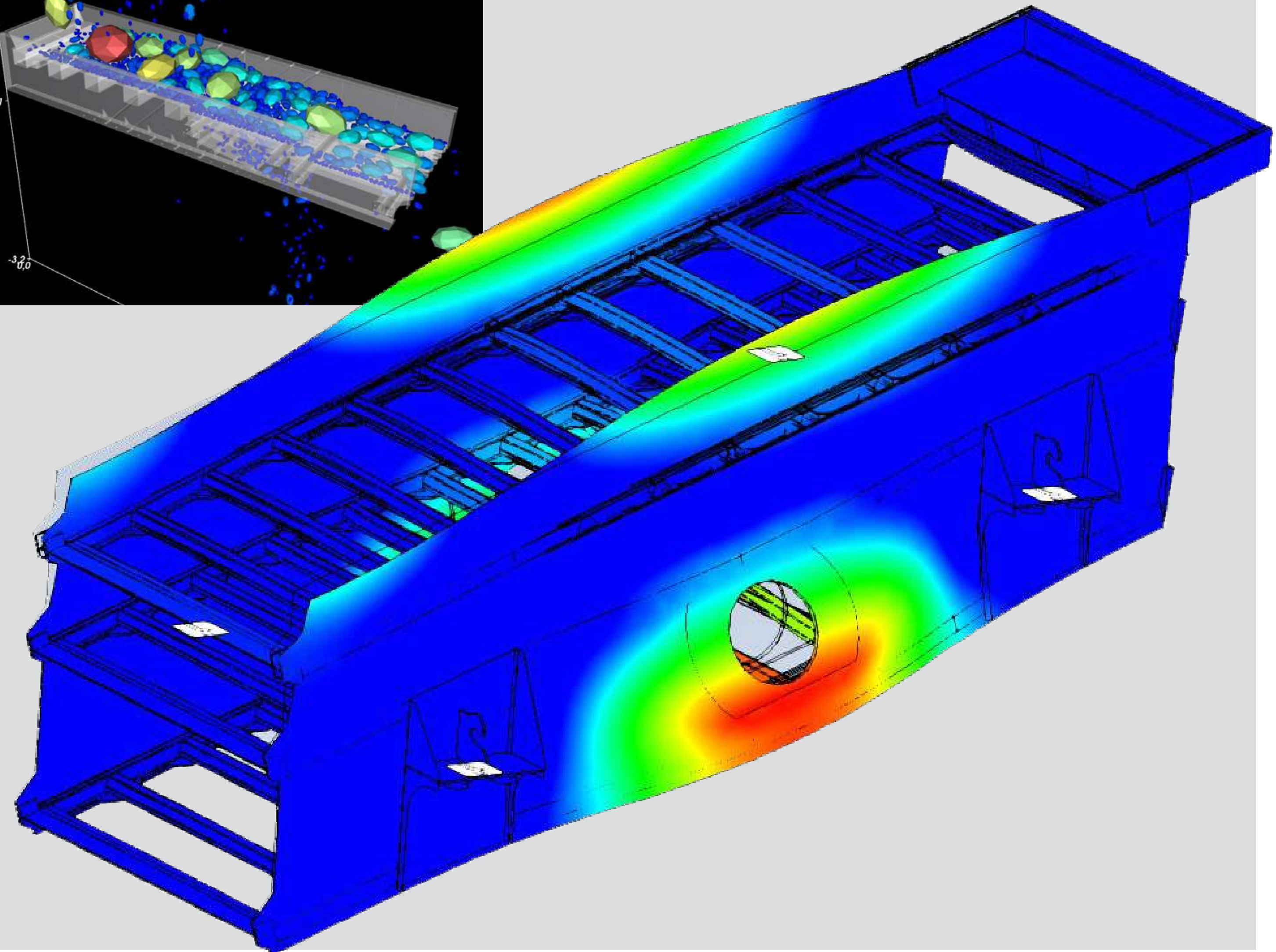
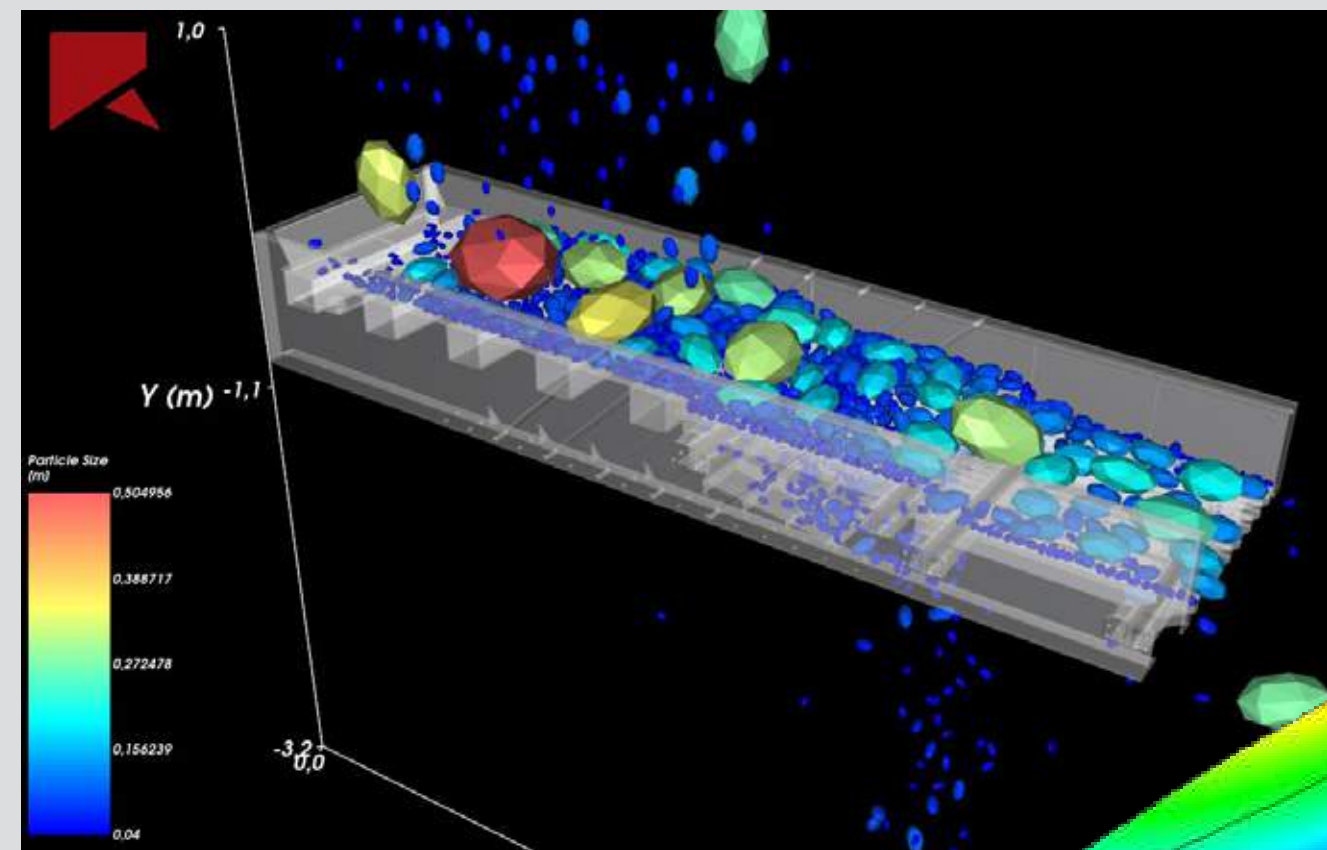


KEY ADVANTAGES OF MS AND MGS SERIES INCLINED SCREENS

DEM & FEM ANALYSIS

Pioneer computational analysis methods are used at MEKA research and development centers. For instance, Discrete Element Method (DEM) is most advanced method for aggregate industry. It accurately simulates the flow behavior of bulk materials with complex particle shapes and size distributions. Finite Element Method (FEM) is another software that provide to simulate machine parts reaction under working loads, thermal condition etc. MEKA designs machines with various latest methods in order to increase service time of the components.

Resonance is disaster for all of machines especially vibrating machines, like screens. Modal analysis is the most appropriate method to obtain resonance frequencies. MEKA applies modal analysis techniques to all of screens and vibrating machines to obtain stable operation at any stage of production





KEY ADVANTAGES OF MS AND MGS SERIES INCLINED SCREENS

HIGH QUALITY SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MS and MGS series inclined screen is made of high-tensile heat-treated side plates that are resistant to vibration, allowing our customers to use them long-term with the same durability as during first use. With this steel plate's durability, the screen body becomes more tolerant and resistant to vibration.

In this way, our innovations prevent fractures that commonly occur on other screens, particularly around the drive system. Such fractures make the screen unusable by expanding on the side plate.



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KEY ADVANTAGES OF MS AND MGS SERIES INCLINED SCREENS

WET SCREENING

The washing system has been designed for complete reliability with;

Replaceable nozzles,

Inclinable perforated tubes that can adjust the angle of the jets,

An adjustable valve per spray pipe,

Sealing boots along the side plates,

Perforated rubber tubes



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Easily convert from dry to wet screening

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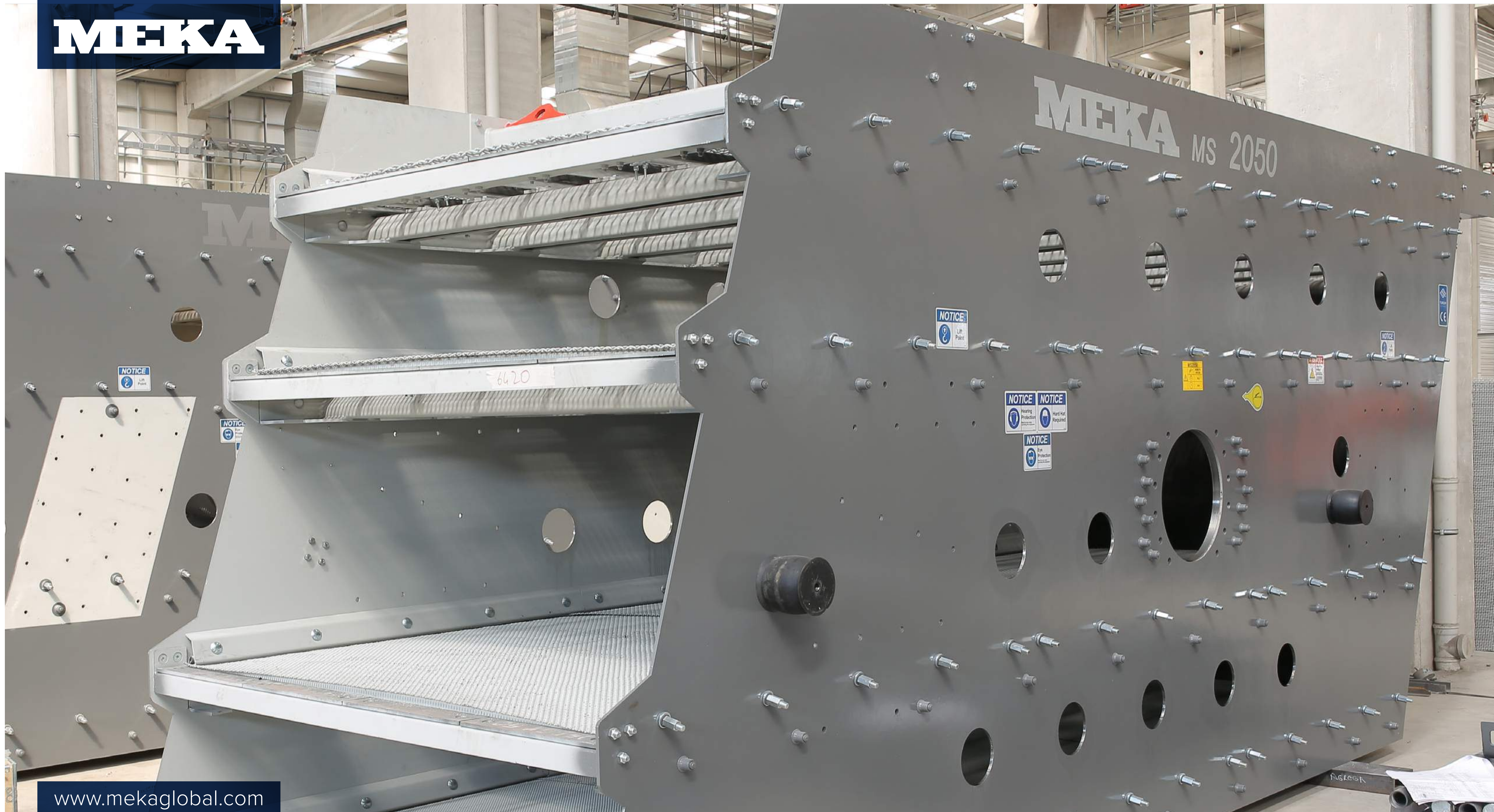
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WHO IS MEKA?

THE CHOICE OF PROFESSIONALS IN THE AGGREGATE PRODUCTION,
READY-MIX CONCRETE AND MINING INDUSTRIES



ESTABLISHED IN 1987

We have 32 years of experience and the passion of the first day.

focused on manufacturing of

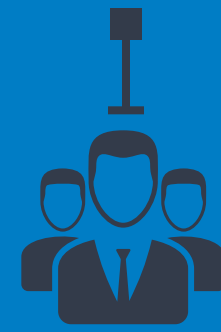


CONCRETE PLANTS AND CRUSHING & SCREENING EQUIPMENT



MANUFACTURING CAPACITY

600 Crushing Screening Equipment
200 Concrete Batching Plant / year



EXPERT ENGINEERING

Highly experienced engineers within Meka work to design machines that are the most suitable for our clients' needs.



MANUFACTURING FACILITIES

4 technological facilities provide a total production area of 75.000 m².

- 5.000 m² closed area in Ostim -ANKARA
- 18.000 m² in Temelli1 -ANKARA
- 22.000 m² in Temelli2 -ANKARA
- 30.000 m² in Eskişehir



WE PROVIDE A COMPLETE SCOPE OF SERVICES SUCH AS

- identifying customer's needs,
- project planning,
- design,
- engineering,
- manufacturing,
- quality control, commissioning,
- personnel training and
- after-sales support.



SERVICE STAYS FOREVER

MEKA supervisors are ready to be on your site within the shortest possible time.

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MEKA Global is a prominent manufacturer of crushing&screening and wet processing equipment and engineering solutions to aggregate production, mining, cement and ready mix concrete industries all over the World.

We are based in Ankara (Turkey) and currently we are providing industrial services and products to customers in more than 80 countries including USA, Russia, Chile, England, Poland, Estonia, Romania, Bulgaria, Serbia, Kosovo, Bahrain, Kuwait, Qatar, UAE, Oman, Lebanon, Iraq, Iran, Jordan, Syria, Saudi Arabia, Yemen, Algeria, Sudan, Morocco, Bangladesh, Cameroon, Libya, Burkina Faso, Uganda, Nigeria, Ethiopia, Kazakhstan, Ukraine, Georgia, France, Tajikistan, Azerbaijan, Austria, Afghanistan etc

Experienced MEKA engineering team with excellent engineering background provide cost-effective and efficient products and solutions to our customers.

MEKA Global also manufacturing and supply spare parts including jaws, concaves, mantles, blow bars, piano wires, punch plate, mesh, polyurethane mats, springs, couplings, bearings, filters, rollers, hydraulic pumps/motors, gearboxes, valves, wear parts, engine parts, cushion and skirting rubber to suit a whole range of other OEM crushers and screeners.



MEKA PROVIDES QUALITY SPARE PARTS AND EXCELLENCE SERVICE FOR CONTINUOUS PRODUCTION AND PERFORMANCE

MEKA

JUST IN TIME

As we are aware that our customers are in need of non-stop production anytime and anywhere, we not only deliver quality parts for continuous performance but also maintain a sales network entire world. As a result, you can always rely on MEKA Global.

MEKA can deliver the spare parts in crushing&screening, cement and mining industries including electrical, mechanical and electronic components, anywhere in the world and just in time in a very short deliver time.



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THE CHOICE OF PROFESSIONALS
IN THE AGGREGATE PRODUCTION,
READY-MIX CONCRETE AND MINING INDUSTRIES

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